				Docket Number (Optional)		Application Number	
				KER020/4-025US		10/606,279	
				Applicant(s)			
				Mark E. Van Dyke et al.			
				Filing Date		Group Art Unit	
				June 24, 2003		1772	

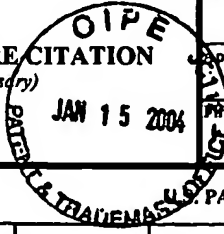
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BP	A1	4,135,942	01/23/79	Kikkawa	106	155	/
	A2	4,357,274	11/02/82	Werner	260	123	
	A3	4,369,037	01/18/83	Matsunaga et al.	8	127	
	A4	4,439,417	03/27/84	Matsunaga et al.	424	70	
	A5	4,495,173	01/22/85	Matsunaga et al.	424	70	
	A6	4,570,629	02/18/86	Widra	128	156	
	A7	4,751,074	06/14/88	Matsunaga et al.	424	70	
	A8	4,839,168	06/13/89	Abe et al.	424	74	
	A9	4,895,722	01/23/90	Abe et al.	424	71	
	A10	4,959,213	09/25/90	Brod et al.	514	21	
BP	A11	5,047,249	09/10/91	Rothman et al.	424	543	

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BP	B1	EP0454600A	10/30/91	Europe	/		√	
	B2	JP5285374	11/02/93	Japan			Abstract	
	B3	JP5285375	11/02/93	Japan			Abstract	
	B4	JP56129035	10/08/81	Japan			Abstract	
BP	B5	JP6116300	04/26/94	Japan			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BP	C1	Southwest Research Institute Annual Report, 17-18, 21, 1997
BP	C2	Technology Today, 16(3):9, 1995

EXAMINER	/Blessing Pubara/	DATE CONSIDERED	05/30/2006
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) KER020/4-025US		Application Number 10/606,279	
				Applicant(s) Mark E. Van Dyke et al.		Group Art Unit 1772	
				Filing Date June 24, 2003			
				U.S. PATENT DOCUMENTS			

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BF	A12	5,134,031	07/28/92	Kagechi et al.	428	373	/
	A13	5,258,043	11/02/93	Stone	623	66	
	A14	5,276,138	01/04/94	Yamada et al.	530	357	
	A15	5,358,935	10/25/94	Smith et al.	514	21	
	A16	5,712,252	01/27/98	Smith	514	21	
	A17	5,763,583	06/09/98	Arai et al.	530	353	
	A18	5,792,090	08/11/98	Ladin	602	48	
	A19	5,824,331	10/20/98	Usala	424	424	
	A20	5,932,552	08/03/99	Blanchard et al.	514	21	
	A21	5,948,432	09/07/99	Timmons et al.	424	443	
BF	A22	5,679,377	10/21/97	Bernstein et al.	424	491	

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	B7	JP6336499	12/06/94	Japan			Abstract	
	B8	RU2106154C1	03/10/98	Russia			Abstract	
	B9	JP1197423	08/09/89	Japan			Abstract	
BF	B10	JP3011099	01/18/91	Japan			Abstract	

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
BF	C3	Yamauchi et al., "Cultivation of fibroblast cells on keratin-coated substrata," Polymers of Tissue Engineering, 329-40 1998
BF	C4	Atala et al., "Injectable alginate seeded with chondrocytes as a potential treatment for vesicoureteral reflux," <i>The Journal of Urology</i> , Vol. 150, 745-47, August 1993

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		Applicant(s) Mark E. Van Dyke et al.			
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		June 24, 2003		1772	

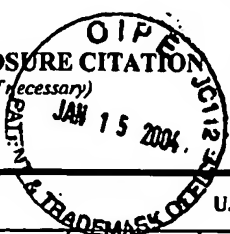
*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
BP	C5	Bellamkonda et al., "Hydrogel-based three-dimensional matrix for neural cells," <i>Journal of Biomedical Materials Research</i> , Vol. 29, 663-71 (1995)			
	C6	Cao et al., "Tissue-engineered nipple reconstruction," <i>Plastic and Reconstructive Surgery</i> , Vol. 102, No. 7, 2293-98, December 1998			
	C7	de Chalain et al., "Bioengineering of elastic cartilage with aggregated porcine and human auricular chondrocytes and hydrogels containing alginate, collagen, and k-elastin," <i>J. Biomed. Mater. Res.</i> , 280-88, 1999			
	C8	Dillon et al., "The influence of physical structure and charge on neurite extension in a 3D hydrogel scaffold," <i>J. Biomater. Sci. Polymer Edn.</i> , Vol. 9, No. 10, 1049-69 (1998)			
	C9	Kang et al., "Fabrication of porous gelatin scaffolds for tissue engineering," <i>Biomaterials</i> , 20, 1339-44, 1999			
	C10	Plant et al., "Axonal growth within poly (2-hydroxyethyl methacrylate) sponges infiltrated with Schwann cells and implanted into the lesioned rat optic tract," <i>Brain Research</i> , 671, 119-130, 1995			
	C11	Santin et al., "Synthesis and characterization of a new interpenetrated poly (2-hydroxyethylmethacrylate)-gelatin composite polymer," <i>Biomaterials</i> , 17, 1459-67 (1996)			
V	C12	Sechriest et al., "GAG-augmented polysaccharide hydrogel: A novel biocompatible and biodegradable material to support chondrogenesis," <i>J. Biomed. Mater. Res.</i> , 535-41, 2000			
BP	C13	Yu et al., "A laminin and nerve growth factor-laden three-dimensional scaffold for enhanced neurite extension," <i>Tissue Engineering</i> , Volume 5, Number 4, 1999			

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
BP	B11	JP3294297	12/25/91	Japan			Abstract	
BP	B12	JP4312534	11/04/92	Japan			Abstract	
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				Applicant(s)			
				Arlene J. Siller Jackson, et al.			
				Filing Date		Group Art Unit	
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BF	A23	922,692	05/25/09	Goldsmith			
BF	A24	926,999	07/06/09	Neuberg			
BF	A25	960,914	06/07/10	Heinemann			
BF	A26	3,642,498	02/15/72	Anker	99	166	
BF	A27	4,423,032	12/27/83	Abe et al.	424	70	
BF	A28	4,895,722	01/23/90	Abe et al.	424	71	
BF	A29	5,047,249	09/10/91	Rothman et al.	424	543	
BF	A30	1,214,299	01/30/17	Grosvenor et al.			
BF	A31	2,434,688	11/03/42	Evans	18	47.5	
BF	A32	2,445,028	07/13/48	Jones et al.	106	155	

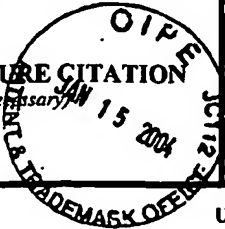
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BF	B15	EP 0468797 B1	12/20/95	Europe			X	
BF	B16	WO 98/08550	03/05/98	PCT WO				
BF	B17	JP 04091138 A2	03/24/92	Japan			Abstract	

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BF	C14 Thomas et al., "Isolation of microfibrillar proteins of wool in disulfide form," Melliand Textiberichte, 65(3):20809, 1984
BF	C15 van de Löcht, "Reconstitution of microfibrils from wool and filaments from epidermis proteins," Melliand Textiberichte, 10:780-6, 1987

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				Applicant(s) Mark E. Van Dyke, et al.			
Filing Date June 24, 2003				Group Art Unit 1772			

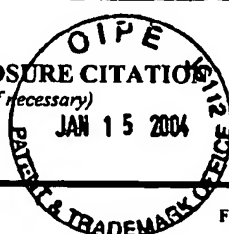


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	A34	2,814,851	12/03/57	Hervey	28	82	
	A35	3,033,755	05/08/62	Jacobi et al.	167	90	
	A36	3,655,416	04/11/72	Vinson et al.	106	155	
	A37	4,178,361	12/11/79	Cohen et al.	424	22	
	A38	5,320,796	06/14/94	Harashima et al.	264	349	
	A39	5,634,945	06/03/97	Pernia et al.	623	11	
	A40	5,679,819	10/21/97	Jones et al.	556	418	
	A41	6,110,487	08/29/00	Timmons et al.	424	443	
	A42	6,270,791	08/07/01	Van Dyke et al.	424	443	
	A43	6,274,163	08/14/01	Blanchard et al.	424	443	
BF	A44	5,300,285	04/05/94	Halloran et al.	424	71	

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BF	B18	SHO 54-124043	02/06/82	Japan	/		X	
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BF	B20	1988-202582	08/13/88	Japan			X	
BF	B21	HEI 4-189833	07/08/92	Japan			X	
BF	B22	1992-174659	05/22/92	Japan			X	

EXAMINER /Blessing Fubara/	DATE CONSIDERED 05/30/2006
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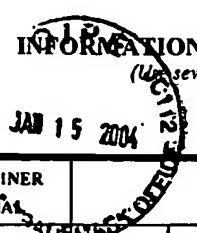
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				Applicant(s) Mark E. Van Dyke et al.				
				Filing Date June 24, 2003		Group Art Unit 1772		
FOREIGN PATENT DOCUMENTS								
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	B23	JP1998337466A	12/22/98	Japan			X	
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	B26	JP1998291999A	11/04/98	Japan			X	
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	B30	62-1731	01/14/87	Japan				X
	B31	2001-114647	04/24/01	Japan				X
	B32	8-157342	06/18/96	Japan				X
	B33	60-220068	11/02/85	Japan				X
	B34	3-223207	10/02/91	Japan				X
	B35	6-240579	08/30/94	Japan				X
	B36	2-212410	08/23/90	Japan				X
	B37	2002-138022	05/14/02	Japan				X
	B38	11-240822	09/07/99	Japan				X
	B39	SHO 60-220068	11/02/85	Japan			X	
	B40	WO 03/011894 A1	02/13/03	PCT WO				
	B41	WO 03/018673 A1	03/06/03	PCT WO				
	B42	531,446	01/03/41	UK			X	
	B43	04091138 A	03/24/92	Japan			Abstract	
	B44	JP 2001087754	04/0301	Japan			Abstract	
	B45	0 454 600 A1	10/30/91	Europe			Abstract	
	B46	RU 2108079	04/10/98	Russia			Abstract	
	B47	EP 0540357	07/24/96	Europe				
BF	B48	EP 0628573	12/14/94	Europe				
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) JAN 15 2004 TRADEMARK OFFICE		Docket Number (Optional)	Application Number
		KER020/4-025US	10/606,279
		Applicant(s)	
		Mark E. Van Dyke et al.	
Filing Date		Group Art Unit	
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EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BF	C16	Yoshioka et al., "Cosmetic base," unexamined Japanese Patent Application No. 3-223207, October 2, 1991	
	C17	Yoshioka et al., "Water-soluble hair dressing agent," unexamined Japanese Patent Application No. 8-157342, June 18, 1996	
	C18	Hyuku et al., "Novel amino acid silicone polymer, production thereof, cosmetic particles surface treated with the polymer, and cosmetic containing said particles," unexamined Japanese Patent Application No. 2001-114647, April 24, 2001	
	C19	Ito et al., "Biocompatibility of denatured wool keratin," 39:4, 249-256, April 1982	
	C20	Yamauchi, "The development of keratin: characteristics of polymer films," <i>Fragrance J</i> , 21(5), 62-7, 1993	
	C21	Sauk et al, "Reconstitution of cytokeratin filaments in vitro: further evidence for the role of nonhelical peptides in filament assembly," <i>The Journal of Cell Biology</i> , 99, 1590-1597, November 1984	
	C22	Weber et al., "The structural relation between intermediate filament proteins in living cells and the α -keratins of sheep wool," <i>The EMBO Journal</i> , 1:10, 1155-1160, 1982	
	C23	Hanukoglu et al., "The cDNA sequence of a human epidermal keratin: divergence of sequence but conservation of structure among intermediate filament proteins," <i>Cell</i> , 31, 243-252, November 1982	
	C24	Fraser et al., "Intermediate filaments in α -keratins," <i>Proc. Natl. Acad. Sci. USA</i> , 83, 1179-1183, March 1986	
	C25	Jones, "Studies on microfibrils from α -keratin," <i>Biochimica et Biophysica Acta</i> , 446, 515-524, Received April 5th, 1976	
	C26	Zackroff, et al., "In vitro assembly of intermediate filaments from baby hamster kidney (BHK-21) cells," <i>Proc. Natl. Acad. Sci. USA</i> , 76:12, 6226-6230, December 1979	
BF	C27	Mack, et al., "Solid-state NMR studies of the dynamics and structure of mouse keratin intermediate filaments," <i>Biochemistry</i> , 27, 5418-5426, 1988	
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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BF	C28	Skerrow, et al., "Epidermal α -keratin is neutral-buffer-soluble and forms intermediate filaments under physiological conditions in vitro," <i>Biochimica et Biophysica Acta</i> , 915, 125-131, 1987	
	C29	Kvedar, et al., "Cytokeratins of the bovine hoof: classification and studies on expression," <i>Biochimica et Biophysica Acta</i> , 884, 462-473, 1986	
	C30	Moll, et al., "The catalog of human cytokeratins: patterns of expression in normal epithelia, tumors and cultured cells," <i>Cell</i> , 31, 11-24, November 1982	
	C31	Iwatsuki, et al., "Comparative studies on naturally occurring antikeratin antibodies in human sera," <i>The Journal of Investigative Dermatology</i> , 87:2, 179-184, August 1986	
	C32	Lambré, et al., "An enzyme immunoassay for auto-antibodies to keratin in normal human serum and in pleural fluids from patients with various malignant or non-malignant lung diseases," <i>J. Clin. Lab. Immunol.</i> , 20, 171-176, 1986	
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	C35	Brunner, et al., "Fractionation of tyrosine-rich proteins from oxidized wool by ion-exchange chromatography and preparative electrophoresis," <i>Eur. J. Biochem.</i> , 32, 350-355, 1973	
	C36	Mies, et al., "Chromatographic and electrophoretic investigations of the properties of unprotected low-sulphur wool keratins," <i>Journal of Chromatography</i> , 405, 365-370, 1987	
	C37	Katsuumi, et al., "Two-dimensional electrophoretic analysis of human hair keratins, especially hair matrix proteins," <i>Arch. Dermatol Res.</i> , 281, 495-501, 1989	
↓	C38	Horn, et al., "Relative molecular masses of reduced wool keratin polypeptides," <i>Biochem Soc Trans</i> , 14, 333-334, 1986	
BF	C39	Harrap, et al., "Species differences in the proteins of feathers," <i>Comp. Biochem. Physiol.</i> , 20, 449-460, 1967	
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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		Mark E. Van Dyke et al.	
		Filing Date	Group Art Unit
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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BP	C40	Harrap, et al., "Soluble derivatives of feather keratin," <i>Biochem. J.</i> , 92, 8-18, 1964	
	C41	Yoshimizu, et al., " ¹³ C CP/MAS NMR study of the conformation of stretched or heated low-sulfur keratin protein films," <i>Macromolecules</i> , 24, 862-866, 1991	
	C42	Schaller, et al., "Membranes prepared from keratin-polyacrylonitrile graft copolymers," <i>Journal of Applied Polymer Science</i> , 25, 783-794, 1980	
	C43	Weiss, et al., "The use of monoclonal antibody to keratin in human epidermal disease: alterations in immunohistochemical staining pattern," <i>The Journal of Investigative Dermatology</i> , 81, 224-230, 1983	
	C44	Starger, et al., "Biochemical and immunological analysis of rapidly purified 10-nm filaments from baby hamster kidney (BHK-21) cells," <i>J. Cell Biology</i> , 78, 93-109, 1978	
	C45	Noishiki, et al., "Application of denatured wool keratin derivatives to an antithrombogenic biomaterial—vascular graft coated with a heparinized keratin derivative—," <i>Inst. Thermal Spring Res. Okayama Univ.</i> , 39:4, 221-227, 1982	
	C46	Valherie, "Chemical modifications of keratins. Application to the preparation of biomaterials and study of their physical, physicochemical and biological properties," Ph.D. Thesis presented to the National Institute of Applied Sciences of Lyon, 1992	
	C47	Dale, "Keratin and other coatings for pills," <i>Pharm. J.</i> , 129, 494-495, 1932, Abstract	
	C48	Schrooyen, et al., "Biodegradable films from selectively modified feather keratin dispersions," <i>Polymer Preprints (American Chemical Society, Division of Polymer Chemistry)</i> , 39(2), 160, 1998, Abstract	
	C49	Schrooyen, et al., "Polymer films from chicken feather keratin," Book of Abstracts, 216th ACS National Meeting, Boston, August 23-27, 1998, Abstract	
↓	C50	Kikkawa, et al., "Solubilization of keratin. 6. Solubilization of feather keratin by oxidation with performic acid," <i>Hikaku Kagaku</i> , 20(3), 151-162, 1974, Abstract	
BP	C51	Matsunaga, et al., "Studies on the chemical property of human hair keratin. Part 1. Fractionation and amino acid composition of human hair keratin solubilized by performic acid oxidation," <i>Hikaku Kagaku</i> , 27(1), 21-29, 1981, Abstract	
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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
BF	C52	Noishiki, et al., "Application of denatured wool keratin derivatives to an antithrombogenic biomaterial. Vascular graft coated with a heparinized keratin derivative," <i>Kobunshi Ronbunshu</i> , 39(4), 221-227, 1982, Abstract
	C53	Ito, et al., "Biocompatibility of denatured keratins from wool," <i>Kobunshi Ronbunshu</i> , 39(4), 249-256, 1982, Abstract
	C54	Gillespie, et al., "Amino acid composition of a sulphur-rich protein from wool," <i>Biochimica et Biophysica Acta</i> , 39, 538-539, 1960
	C55	Gough, et al., "Amino acid sequences of α -helical segments from S-carboxymethylkerateine-A. Complete sequence of a type-I segment," <i>Biochem. J.</i> , 173, 373-385, 1978
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		KER020/4-025US	10/606,279
		Applicant(s)	
		Mark E. Van Dyke et al.	
Filing Date		Group Art Unit	
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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
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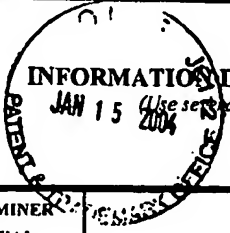
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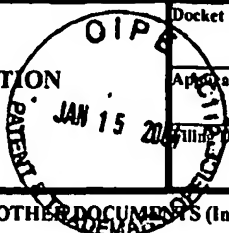
EXAMINER INITIALS	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
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BF <div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	C99 Crewther, et al., "Preliminary Notes. The relation between the disulphide content of wool and the two-stage supercontraction of wool fibres in solutions of LiBr," <i>Biochimica et Biophysica Acta</i> , 46, 605-606, 1961


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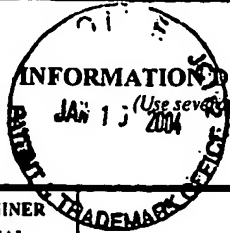
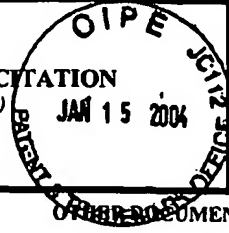
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